

Instructions: **Bold** fields must be completed.

Station Summary					
Waterbody Name SPRING VALLEY CREEK			Waterbody ID Code 1200200		Sample ID (YYYYMMDD-CY-FD) 20171101-42-07
Sampling Location US bridge ~ 175m				Database Key 149819322	
SWIMS Station ID 10015929		SWIMS Station Name UNNAMED CR 10-2 -- 60 YDS UPSTREAM OF CTH F BRIDGE			
Latitude 43.7966872	Longitude -90.6071188		Lat/Long Determination Method (circle) SWIMS SWDV GPS		Datum Used if using GPS WGS84 or NAD83
Basin (WMU) LOWER WISCONSIN			Watershed Name UPPER KICKAPOO RIVER		County MONROE
Sample and Site Descriptors					
Sample Collector (Last Name, First) CAMILLE BRUHN			Project Name TRI CREEKS WATERSHED TWA 2017		
Sampling Device					
<input checked="" type="checkbox"/> D-Frame Kick Net		<input type="checkbox"/> Surber Sampler		<input type="checkbox"/> Eckman	
<input type="checkbox"/> Ponar		<input type="checkbox"/> Artificial Substrate		<input type="checkbox"/> Hess Sampler <input type="checkbox"/> Other: _____	
Habitat Sampled					
<input checked="" type="checkbox"/> Riffle		<input type="checkbox"/> Run		<input type="checkbox"/> Pool	
<input type="checkbox"/> Other		<input type="checkbox"/> Shoreline Composite		<input type="checkbox"/> Proportionally-Sampled Habitat	
<input type="checkbox"/> Littoral Zone		<input type="checkbox"/> Profundal Zone		<input type="checkbox"/> Wetland	
Total Sampling Time (min) 0.5 min	Estimated Area Sampled (m²) 1 m ²		Number of Samples in Composite 1		Replicate No. 1 of 1
Reason For Sampling					
<input type="checkbox"/> Least Impacted Reference		<input type="checkbox"/> Baseline		<input type="checkbox"/> Impact / Treatment Site	
<input type="checkbox"/> Control Site		<input type="checkbox"/> Trend		<input checked="" type="checkbox"/> Other: TWA Moore-Tri Creeks	
Water Temp. (C) 5.97	D.O. (mg/l) 16.03	D.O. (% sat.) 128.9	pH (su) 8.85	Conductivity (umhos/cm) 512	Transparency (cm) 120+
Water Color <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained			Estimated Stream Velocity (m/s) <input type="checkbox"/> Slow (< 0.15 m/s) <input checked="" type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> Fast (> 0.5 m/s)		
Measured Velocity circle units m/s or f/s		Average Stream Depth of reach (m) 0.2		Average Stream Width of reach (m) 4.5	
Composition of Substrate Sampled (Percent):					
Bedrock: _____		Boulders (basketball or larger): _____	Rubble (tennisball to basketball): 5	Gravel (ladybug to tennisball): 85	
Sand: 10		Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____	
Aquatic Macrophytes: _____		Leaf Snags: _____	Coarse Woody Debris: _____	Other (____): _____	
Embeddedness of Substrate at Sample Site (%) 5			Canopy Cover at Sample Site (%) 0		

Stream and Watershed Descriptors

N = Not a problem
 U = Uncertain
 PL = Present, Low Impact
 PH = Present, High Impact

Factors that may be influencing Water Resource Integrity	Local	Watershed	Factors that may be influencing Water Resource Integrity	Local	Watershed
Biological			Chemical		
Algae: - Diatoms / Periphyton	N	N	Chlorine	U	U
- Filamentous Algae	N	N	Dissolved Oxygen	U	U
- Planktonic Algae	N	N	Nutrients (P, N...)	U	U
Iron Bacteria	PL	N	Toxics: - Inorganic (Metals)	U	U
Macrophytes	PL	N	- Organic (PCBs, pesticides...)	U	U
Slimes	N	N	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	PH	PH
Physical			Point Source - Specify: NONE	N	N
Bank Erosion	PH	PL	Pasturing of Livestock	PH	PH
Channelization: - Upstream	N	N	Runoff: - Barnyard	N	PL
- Downstream	N	N	- Construction	N	N
Hydraulic Scour / Channel Incision	PL	PL	- Cropland	PH	PH
Impoundment: - Upstream	N	N	- Urban	N	N
- Downstream	N	N	Septic Systems	U	U
Low Flow	N	N	Tile Drainage - Organic Soils	U	U
Sedimentation	PL	N	- Mineral Soils	U	U
Sludge	N	N	Springs	U	U
Thermal	U	U	Tributary(s)	PL	PL
Turbidity	N	N	Wetland	N	U
Other - Specify:			Other - Specify:		

Comments Curly leaf PW present. Heavy pasturing and cropland throughout watershed. Grazing all the way up to stream bank & within stream.

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Justin Kowalski	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 7%
Date Processed 5/14	Specimens Saved Subsample archived in ABL until Aug 2021	

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Amphineura delosa</i> /varshava	L	I	1	Dimick unpub		
^{1/1} <i>Baetis tricaudatus</i>	L	-II	7	Kuhn 2016		
<i>B. flavistriga</i> species complex	L	"	2	"		
^{2/10} <i>Baetiscyrtus occidentalis</i>	L	I	1	Hils-1985		
Hydropsychidae	L	I	1	Hils-1985	imm	N
<i>Chumatopsyche</i>	L	xII	12	"		
<i>Hydropsyche</i>	L	-II	7	"	imm	N
<i>H. betteni</i>	L	"	2	Schm Hils 1986		
<i>Ceratopsyche</i>	L	III	3	Hils 1985	imm	N
<i>C. albicoma</i>	L	-III	8	Schm Hils 1986		
<i>C. bronta</i>	L	II	2	"		
<i>C. slossonae</i>	L	-II	7	()		
^{3/12} <i>C. sparna</i>	L	IIII	4	"		
<i>Ditropis</i>	L	-	5+10	Hils Schm 1992	imm	N
<i>D. fastidius</i> L1 A.1	L/A	"	2	"		
<i>Nemerodromia</i>	L	I	1	Court Merr 2008		
<i>Simulium</i>	L	I	1	Adrietal 2004	imm	N
<i>S. vittatum</i> species complex DS110217	L	-	5	"		
<i>Antocha</i>	L	III	4	Hils-1985		
<i>Gammarus pseudolimnoides</i>	A	II	2	Hils 1972		
Naididae	A	-I	6	Erse Erse Gust 2002		
Pubificoid Naididae w/o hairs	A	-II	7	Erse et al 2008		
Spid A3 Chironomidae	L	IIII+V				
<i>Thienemannimyia</i> group	L	II	2	Coan Epl 2013	imm	
<i>Orthocladinae</i> DS30000	L	I	1	Coanston 2013	mt indet	N
<i>Eukiefferiella claripennis</i> group	L	I	1	And + 3 2013		
<i>Ev. devonica</i> group	L	I	1	"		
<i>Parametriocnemus</i>	L	xII	12	"		
<i>Tretenia bavarica</i> group	L	-III	8	Zock 1983		
<i>Orthocladus</i> (<i>Orthocladus</i>)	L	-III	8	And + 3 2013		
<i>Cricotopus</i> / <i>Orthocladus</i>	L	II	2	Ferr et al 2008	mt indet/imm	N
<i>Calicotopus</i> (<i>Cricotopus</i>) <i>tremulus</i> group	L	I	1	And + 3 2013		
<i>Microsetra</i>	L	I	1	Epl et al 2013		
<i>Microtendipes pedellus</i> group	L	xII	17	"		
<i>Paratanytarsus</i>	L	I	1	"	mt indet	Y
<i>P. longistylus</i>	L	IIII	4	"		

3 taxa, TVAL ≤ 2.0
 12 < (0.1 x 163)

